

Name \_\_\_\_\_

Boiling Oil  
Pages 68-70

Write 5 facts you learned from this reading. Use complete sentences!

1.

2.

3.

4.

5.

Look at the picture on page 70. List items, including car parts, that could be made from oil.

Lost Wax Casting:  
Exploiting Melting Points for Art and Industry

Read pages 71-73. Be sure to read the captions as well. Use that information to answer the following questions. Again, use complete sentences.

1. This passage focuses on the work done by goldsmiths who live in a small village in \_\_\_\_\_, \_\_\_\_\_.
2. They make jewelry and other items using a technique called \_\_\_\_\_.
3. The melting point of wax is less than \_\_\_\_\_°C, but gold has a melting point of more than \_\_\_\_\_°C.
4. The artist carves a model in wax and then attaches tiny wax rods called \_\_\_\_\_.
5. Why does the artist attach the tiny wax rods?
6. The artist then covers the wax figure with several layers of what?
7. Pieces of gold are then placed in a \_\_\_\_\_ which is attached to the mold.
8. What produces the high temperature needed to melt the gold?
9. When the gold is melted and it flows into the mold, the clay mold is cracked off, leaving a \_\_\_\_\_.
10. What new uses have been found for lost wax casting?